



## RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/601,497  
Source: OIP  
Date Processed by STIC: 8/4/2003

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to:  
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7<sup>th</sup> Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202  
Or  
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 04/24/2003

# Raw Sequence Listing Error Summary

## ERROR DETECTED

## SUGGESTED CORRECTION

SERIAL NUMBER:

10/601,497

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1    Wrapped Nucleics  
       Wrapped Aminos  
The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2    Invalid Line Length  
The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3    Misaligned Amino  
       Numbering  
The numbering under each 5<sup>th</sup> amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4    Non-ASCII  
The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5    Variable Length  
Sequence(s)    contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6    PatentIn 2.0  
       "bug"  
A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s)   . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7    Skipped Sequences  
    (OLD RULES)  
Sequence(s)    missing. If intentional, please insert the following lines for each skipped sequence:  
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)  
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
This sequence is intentionally skipped  
  
Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8    Skipped Sequences  
    (NEW RULES)  
Sequence(s)    missing. If intentional, please insert the following lines for each skipped sequence.  
<210> sequence id number  
<400> sequence id number  
000
- 9    Use of n's or Xaa's  
    (NEW RULES)  
Use of n's and/or Xaa's have been detected in the Sequence Listing.  
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.  
In <220> to <223> section, please explain location of n or Xaa; and which residue n or Xaa represents.
- 10    Invalid <213>  
    Response  
Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence.
- 11    Use of <220>  
Sequence(s)    missing the <220> "Feature" and associated numeric identifiers and responses.  
Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.  
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12    PatentIn 2.0  
       "bug"  
Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13    Misuse of n  
n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.



OIPE

## RAW SEQUENCE LISTING

DATE: 08/04/2003

PATENT APPLICATION: US/10/601,497

TIME: 08:35:06

Input Set : A:\sequence listing.txt

Output Set: N:\CRF4\08042003\J601497.raw

E--&gt; 0 &lt;110&gt; APPLICANT:

3 &lt;120&gt; TITLE OF INVENTION: METHOD AND DETECTOR FOR IDENTIFYING SUBTYPES OF HUMAN PAPILLOMA VIRUSES

C--&gt; 5 &lt;140&gt; CURRENT APPLICATION NUMBER: US/10/601,497

C--&gt; 5 &lt;141&gt; CURRENT FILING DATE: 2003-06-23

W--&gt; 0 &lt;130&gt; FILE REFERENCE:

E--&gt; 5 &lt;160&gt; NUMBER OF SEQ ID NOS: NUMBER OF SEQ ID NOS:

## ERRORED SEQUENCES

E--&gt; 8 &lt;210&gt; SEQ ID NO: SEQ ID NO 1

9 &lt;211&gt; LENGTH: LENGTH: 20

E--&gt; 10 &lt;212&gt; TYPE: TYPE: DNA

11 &lt;213&gt; ORGANISM: ORGANISM: Human Papilloma Virus

E--&gt; 13 &lt;400&gt; SEQUENCE: SEQUENCE: 1

E--&gt; 15 catccgtaac tacatcttcc 20

E--&gt; 18 &lt;210&gt; SEQ ID NO: SEQ ID NO 2

19 &lt;211&gt; LENGTH: LENGTH: 20

E--&gt; 20 &lt;212&gt; TYPE: TYPE: DNA

21 &lt;213&gt; ORGANISM: ORGANISM: Human Papilloma Virus

E--&gt; 23 &lt;400&gt; SEQUENCE: SEQUENCE: 2

E--&gt; 25 atccgtaact acatcttcca 20

E--&gt; 28 &lt;210&gt; SEQ ID NO: SEQ ID NO 3

29 &lt;211&gt; LENGTH: LENGTH: 22

E--&gt; 30 &lt;212&gt; TYPE: TYPE: DNA

31 &lt;213&gt; ORGANISM: ORGANISM: Human Papilloma Virus

E--&gt; 33 &lt;400&gt; SEQUENCE: SEQUENCE: 3

E--&gt; 35 ctacatcttc cacatacacc aa 22

E--&gt; 38 &lt;210&gt; SEQ ID NO: SEQ ID NO 4,

39 &lt;211&gt; LENGTH: LENGTH: 20

E--&gt; 40 &lt;212&gt; TYPE: TYPE: DNA

41 &lt;213&gt; ORGANISM: ORGANISM: Human Papilloma Virus

E--&gt; 43 &lt;400&gt; SEQUENCE: SEQUENCE: 4

E--&gt; 45 catcttcac atacaccaat 20

E--&gt; 48 &lt;210&gt; SEQ ID NO: SEQ ID NO 5

49 &lt;211&gt; LENGTH: LENGTH: 20

E--&gt; 50 &lt;212&gt; TYPE: TYPE: DNA

51 &lt;213&gt; ORGANISM: ORGANISM: Human Papilloma Virus

E--&gt; 53 &lt;400&gt; SEQUENCE: SEQUENCE: 5

E--&gt; 55 atcttcacac tacaccaatt 20

E--&gt; 58 &lt;210&gt; SEQ ID NO: SEQ ID NO 6

59 &lt;211&gt; LENGTH: LENGTH: 20

E--&gt; 60 &lt;212&gt; TYPE: TYPE: DNA

(pp 1-3)

Does Not Comply  
Corrected Diskette Neededsee attached for  
Explanation

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Sequence listing

<120> METHOD AND DETECTOR FOR IDENTIFYING SUBTYPES OF HUMAN PAPILLOMA VIRUSES

<160> ~~NUMBER OF SEQ ID NOS.~~

*delete all alphabetical headings when sequence listing is in new sequence Rules format*  
*<1107 insert this mandatory numeric identifier and response to <160>*

<210> ~~SEQ ID NO~~ 1

<211> ~~LENGTH~~: 20

<212> ~~TYPE~~: DNA

<213> ~~ORGANISM~~: Human Papilloma Virus

<400> ~~SEQUENCE~~: 1

catccgtaac tacatcttcc  
20

*20 (see item 1 on Error Summary sheet)*

<210> ~~SEQ ID NO~~ 2

<211> ~~LENGTH~~: 20

<212> ~~TYPE~~: DNA

<213> ~~ORGANISM~~: Human Papilloma Virus

<400> ~~SEQUENCE~~: 2

atccgtaact acatcttcca  
20

<210> ~~SEQ ID NO~~ 3

<211> ~~LENGTH~~: 22

<212> ~~TYPE~~: DNA

<213> ~~ORGANISM~~: Human Papilloma Virus

<400> ~~SEQUENCE~~: 3

ctacatcttc cacatacacc aa  
22

<210> ~~SEQ ID NO~~ 4

<211> ~~LENGTH~~: 20

<212> ~~TYPE~~: DNA

<213> ~~ORGANISM~~: Human Papilloma Virus

<400> ~~SEQUENCE~~: 4

catcttccac atacaccaat  
20

<210> ~~SEQ ID NO~~ 5

<211> ~~LENGTH~~: 20

<212> ~~TYPE~~: DNA

<213> ~~ORGANISM~~: Human Papilloma Virus

<400> ~~SEQUENCE~~: 5

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last sequence in submitted file

<210> ~~SEQ ID NO:~~ 472  
<211> ~~LENGTH:~~ 20 21 shown below  
<212> ~~TYPE:~~ DNA  
<213> ~~ORGANISM:~~ Artificial Sequence  
<220> ~~FEATURE:~~  
<223> ~~OTHER INFORMATION:~~ Description of Artificial Sequence: Synthetic  
oligonucleotide  
  
<400> ~~SEQUENCE:~~ 472  
tgcagcgtac tccccacatc a

move over  
21

see item 2  
on Enn  
summary  
sheet

1 delete

These pages shown as samples of global errors.

Please edit all sequences.

Also, please ensure that all <211> responses  
reflect actual number of nucleotides